

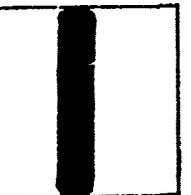
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DTIC ACCESSION NUMBER



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INVENTORY

HQ Exercise DESERT ROCK VII

Camp DESERT ROCK, Nevada

Operation Order 1

DOCUMENT IDENTIFICATION

May 1957

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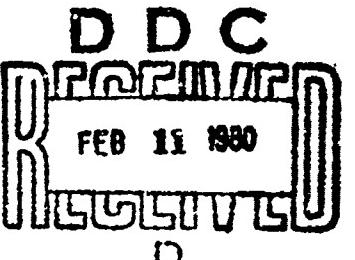
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~~DESERT ROCK 7, OPERATION ORDER 1~~

Army. Camp Desert Rock. Nevada

11 May 1957

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672 HQ - COR 354-15  
3 JUN '59

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Hq. Exercise Desert Rock VII  
Curd DESERT ROCK (872536), NEVADA  
11000 May 1957

**Operation Order 1**

Map: NEVADA, 1:50,000, TIPPED SPRINGS, COLD SPRINGS, SECTOR: RANGE,  
PARADE LINE, FAIRVIEW LAKE, and MERCURY Sheets.

Time Zone: Pacific Daylight Time

Task Organizations: Annex A. Task Organization.

1. SITUATION.—The Atomic Energy Commission detonates an atomic device (BOLTZMAN) at R-hour on D-day which will be observed by approximately 51 US Army, 67 US Air Force, and 132 US Navy observers. After the shot personnel will monitor in the ground-zero area, and Ordnance and Signal field tests will be performed.

2. MISSION.—Hq. Exercise Desert Rock VII, supervises and coordinates Desert Rock Army, Navy, and Air Force participation in shot BOLTZMAN in area T-7c in the NEVADA TEST SITE commencing at R-hour on D-day to:

- a. Indoctrinate selected observers in effects of atomic weapons (Project 53.3 and selected personnel from the post staff).
- b. Track the movement of radioactive clouds, determine the height of the clouds, and investigate the feasibility of special and standardized Army radar equipment for such use (Project 50.3).
- c. Observe operability of various types of Ordnance equipment under blast, thermal, and radioactivity effects of nuclear explosions (Project 50.7).
- d. Conduct monitoring exercises to train passive-defense personnel in radiological defense techniques (Project 53.4).

3. EXECUTION.

a. Concept of operation.—Personnel from the Exercise Desert Rock VII staff and Desert Rock Projects 51.1, 50.3, and 53.4 will observe Shot BOLTZMAN from a safe position. (See Map 1:50,000 Scale (Super E. On Overlay). Shortly after the shot, Desert Rock radar personnel will monitor and mark the assigned pie segment. Upon announcement of R-hour, personnel from Project 53.4 will move to the pie segment and conduct monitoring exercises. Project 50.3 will operate radar equipment from approved site. Project 50.7 will position equipment in approved locations (in cooperation with AFSWP Proj 2.4).

b. 50th Chemical Plant.—Provide rad-safety support as required. Annex C, Rad-Safety Plan.

c. Co B, 84th Engg Bn (Reinf).—Provide Engineer support as required.

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LTC MR-COR 354-15  
3 JUNE 59  
EX- DR-5-88-57

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2 JUNE 1973

## Operation Order 1, (O&M)

- d. Unit 8th Field Hosp.—Provide medical support as required. Annex D, Medical.

e. 293d MP Co (-).—Provide traffic control as required. Annex E, Provost Marshal.

f. 526th Ord Co (H&N) (-).—Provide Ordnance support as required.

g. 232d Signal Co.—Provide Signal support as required. Annex F, Signal.

h. 26th TC Bn.—Provide transportation support as required. Annex G, Transportation.

i. Project 50.3.—Operate radar equipment as per par 2b above from approved site. Radar equipment proved during power run will be operated. All other equipment will be fully secured.

j. Project 50.7.—Conduct test of Ordnance equipment in conjunction with AFSWP Project 2.4.

k. Project 51.1.—Move to observer area (coordinates 895925) with other observers (Annex G, Transportation); observe shot; return to base camp with other observers.

l. Project 53.3.—Move to observer area (coordinates 895925) with other observers (Annex G, Transportation); observe shot; return to base camp with other observers.

m. Project 53.4.—Move tactical vehicles (10) to observer area (coordinates 895925) with Desert Rock rad-safe vehicles (7) on D-1; move personnel to observer area with other observers (Annex G, Transportation); observe shot; at R-hour move on marked trail to approved pie segment ( $N45^{\circ}E$ — $N30^{\circ}W$ ); conduct monitoring exercises.

n. Desert Rock Aviation Section.—Provide one L-20 aircraft on ground alert at the Desert Rock air strip for air evacuation of casualties to the Nellis Air Force Base Hospital. Annex D, Medical.

o. Coordinating instructions.

(1) Unit commanders will insure that all Desert Rock personnel have film badges.

(2) All personnel will be familiar with provisions of the Rad-Safe Program.

(3) Vehicle commanders will load assigned vehicles by rosters, ascertaining that all personnel are present. If an individual is missing from the entrucking formation, his name will be red-lined from the roster. Rosters will be certified by vehicle commanders and returned after the shot to post S-2 for retention and for presentation to SEC upon request.

(4) Vehicle commanders will maintain absolute control of their groups from the time vehicles are first loaded until they are returned to CAMP DESERT ROCK.

(5) All personnel will be informed that two minutes prior to H-hour a 30-second siren signal will be sounded. At this time all personnel will turn their backs to GZ, close their eyes, and cover their eyes with their hands until the announcement to recover is made.

(6) All personnel will be cautioned not to pick up any items in the ground-zero area. Although innocent in appearance these items may be radioactive.

(7) Radio silence will be maintained and all gasoline engines turned off from shot-time minus 15 minutes until shot-time plus 5 minutes.

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3 JUNE 57

Operation Order 1, (C)

d. Unit, 8th Field Hosp.—Provide medical support as required. Annex D, Medical.

e. 293d MP Co (-).—Provide traffic control as required. Annex E, Provost Marshal.

f. 526th Ord Co (H&M) (-).—Provide Ordnance support as required.

g. 232d Signal Co.—Provide Signal support as required. Annex F, Signal.

h. 26th TC Bn.—Provide transportation support as required. Annex G, Transportation.

i. Project 50.3.—Operate radar equipment as per par 2b above from approved site ... ~~Site #372~~ until next approved during power run will be operated. All other equipment will be held secured.

j. Project 50.7.—Conduct test of Ordnance equipment in conjunction with AFSMP Project 2.4.

k. Project 51.1.—Move to observer area (coordinates 895925) with other observers (Annex G, Transportation); observe shot; return to base camp with other observers.

l. Project 53.3.—Move to observe return (coordinates 895925) with other observers (Annex G, Transportation); observe shot; return to base camp with other observers.

m. Project 53.4.—Move tactical vehicles (10) to observer area (coordinates 895925) with Desert Rock rad-safe vehicles (7) on D-1; move personnel to observer area with other observers (Annex G, Transportation); observe shot; at R-hour move on marked trail to approved pie segment ( $N45^{\circ}E - N30^{\circ}W$ ); conduct monitoring exercises.

n. Desert Rock Aviation Section.—Provide one L-20 aircraft on ground alert at the Desert Rock site for air evacuation of casualties to the Hollis Air Force Base Hospital. Annex D, Medical.

o. Coordinating instructions.

(1) Unit commanders will insure that all Desert Rock personnel have film badges.

(2) All personnel will be familiar with provisions of the Rad-Safe Program.

(3) Vehicle commanders will load assigned vehicles by rosters, ascertaining that all personnel are present. If an individual is missing from the entrucking formation, his name will be red-lined from the roster. Rosters will be certified by vehicle commanders and returned after the shot to post S-2 for retention and for presentation to SEC upon request.

(4) Vehicle commanders will maintain absolute control of their groups from the time vehicles are first loaded until they are returned to CAMP DESERT ROCK.

(5) All personnel will be informed that two minutes prior to H-hour a 30-second siren signal will be sounded. At this time all personnel will turn their backs to GZ, close their eyes, and cover their eyes with their hands until the announcement to recover is made.

(6) All personnel will be cautioned not to pick up any items in the ground-zero area. Although innocent in appearance these items may be radioactive.

(7) Radio silence will be maintained and all gasoline engines turned off from shot-time minus 15 minutes until shot-time plus 5 minutes.

DOWNGRADER ~~CONFIDENTIAL~~

3 JUNE 57

*Downgraded*  
OPREP CTR AF CON 354.15  
3 JUNE 57

Operation Order 1, (Cont.)

(8) Evacuation in case of emergency will be made direct to CAMP DESERT ROCK. Annex H, Evacuation plan.

4. ADMINISTRATION AND LOGISTICS:

a. Administration:

(1) Current administrative instructions apply.

(2) Uniform and equipment.

|                                 |                               |
|---------------------------------|-------------------------------|
| Fatigues                        | Pistol belt                   |
| Combat boots                    | Canteens, w/cup and cover     |
| Field Jackets                   | First-aid packet and pouch    |
| Helmet w/liner                  | Special equipment as required |
| (Soft cap or liner may be worn) |                               |

(3) Hot breakfast will be served in CAMP DESERT ROCK prior to entrucking.

b. Logistics:

(1) Medical--aid station will be established at observer area (coordinates 895925) and later at Desert Rock decontamination station (coordinates 843888). Annex D, Medical.

(2) Transportation.

(a) List of required vehicles and drivers' names will be furnished to S-3 by S-4. S-3 will prepare observer rosters, indicating name, rank, branch, badge number, and vehicle number.

(b) Vehicles will be marked on the right-front windshield with a number system, ie, A-1, A-2, etc.

(c) The serial will contain one empty vehicle to transport personnel in case of breakdown.

(d) A wrecker will be located at the rear of the serial. Vehicles which break down during the movement to the observer area will be pushed to the side of the road and left until the return trip. At that time the wrecker will tow these vehicles back to CAMP DESERT ROCK.

5. COMMAND AND SIGNAL.

a. Annex F, Signal.

b. Forward CP, Exercise Desert Rock VII, will open in the observer area at H-60 minutes. One liaison officer will be stationed at CP2 commencing at H-60 minutes and will remain until the shot is fired.

JENSEN  
Brig Gen

Annexes: A—Task Organization  
B—Operation Overlay  
C—Rad-Safety Plan

Appendices: 1—Radiological Recon  
2—Rad-Safe Control Net

D—Medical

E—Provost Marshal

Appendixes: 1—Traffic Control Plan

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OPREP CTR AF CON 354.15  
3 JUNE 57

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CAMP CTR NF - COM SSY. 15  
3 JUNE 57

Operation Order 1, (Cont.)

(8) Evacuation in case of emergency will be made direct to CAMP DESERT ROCK. Annex H, Evacuation plan.

4. ADMINISTRATION AND LOGISTICS:

a. Administration.

(1) Current administrative instructions apply.

(2) Uniform and equipment.

|                                 |                               |
|---------------------------------|-------------------------------|
| Fatigues                        | Pistol belt                   |
| Combat boots                    | Canteens, w/cup and cover     |
| Field Jackets                   | First-aid packet and pouch    |
| Helmet w/liner                  | Special equipment as required |
| (Soft cap or liner may be worn) |                               |

(3) Hot breakfast will be served in CAMP DESERT ROCK prior to entrucking.

b. Logistics.

(1) Medical.—Aid station will be established at observer area (coordinates 895925) and later at Desert Rock decontamination station (coordinates 848888). Annex D, Medical.

(2) Transportation.

(a) List of required vehicles and drivers' names will be furnished to S-3 by S-4. S-3 will prepare observer rosters, indicating name, rank, branch, badge number, and vehicle number.

(b) Vehicles will be marked on the right-front windshield with a number system, ie, A-1, A-2, etc.

(c) The serial will contain one empty vehicle to transport personnel in case of breakdown.

(d) A wrecker will be located at the rear of the serial. Vehicles which break down during the movement to the observer area will be pushed to the side of the road and left until the return trip. At that time the wrecker will tow these vehicles back to CAMP DESERT ROCK.

5. COMMAND AND SIGNAL.

a. Annex F, Signal.

b. Forward CP, Exercise Desert Rock VII, will open in the observer area at H-60 minutes. One liaison officer will be stationed at CP2 commencing at H-60 minutes and will remain until the shot is fired.

JENSEN  
Brig Gen

Annexes: A—Task Organization  
B—Operation Overlay  
C—Rad-Safety Plan

Appendices: 1—Medical Recon  
2—Rad Safe Control Net

D—Medical

E—Provost Marshal

Appendixes: 1—Traffic Control Plan

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CAMP CTR NF - COM SSY. 15  
3 JUNE 57

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SIGNED BY LTC COX 352.15  
3 JUNE 1952

Operation Order 1, (Cont'd)

Annexes, Cont'd:

A—Signal

- Appendices: 1—AN/GRC-26 Net  
2—Motorola-Type Net  
3—Wire Circuit

G—Transportation

H—Emergency Evacuation Plan

I—Distribution

Distribution: Special

OFFICIAL:

CARL J.  
GARRETT  
S-3

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3 JUNE 1959

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Operation Order 1, (Cont'd)

Annexes, Cont'd:

- F--Signal  
Appendices: 1--AN/GRC-26 Net  
2--Motorola-Type Net  
3--.ire Circuit  
G--Transportation  
H--Emergency Evacuation Plan  
I--Distribution

Distribution: Special

OFFICIAL:

J. M. J.  
GARAY  
S-3

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*Approved by*  
REC 6711-104 COR SSYK  
3 June 1957

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVAD.  
1110CC May 1957

ANNEX A (Task Organization) to Operation Order 1  
Map: NEVADA, 1:50,000, TIPPIAH SPRINGS, CANE SPRINGS, SPECTOR  
RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.  
Time Zone: Pacific Daylight Time

HQ, EXERCISE DESERT ROCK VII

Deputy Exercise Director - - - - - Brig Gen W. A. Jense  
Executive Officer - - - - - Col C. H. Dunning  
Control Group Commander - - - - Lt Col S. L. Garay  
US Army Garrison, CAMP DESERT ROCK (6019-03)

SUPPORT TROOPS

50th Chemical Platoon  
Co B, 84th Engr Bn (Reinf)  
Unit, 8th Field Hosp  
293d MP Co (-)  
526th Ord Co (HAM) (-1 plat)  
656th QM Petrol Supply Cn (-)  
Det, 53d QM Subsistence Supply (-)  
Det, 163d QM Laundry Cn  
232d Signal Co  
Signal Supply Team (KA)  
Signal Maintenance Teams (GN and RD)  
Signal Pictorial Teams (AB, FC, FH, and FF)  
Signal Photo Dosimetry Team  
26th TC Bn  
Hq & Hq Co  
2d TC Truck Co (Pet)  
38th TC Co (Hv)  
351st TC Co (Med)  
TC Provisional Aircraft Maint Det

DESENT ROCK PROJECTS

Project 50.3, Evaluation Medium Range Detonation and Cloud  
Tracking System  
Project 50.7, Test of Ordnance Material  
Project 51.1, Radiological Safety Monitoring Training  
Project 53.3, ADC Air Crew Observers  
Project 53.4, Radiological Defense Training

JENSEN  
Brig Gen

Distribution: Special

OFFICIAL:

GARAY  
S-3

*Approved by*  
REC 6711-104 COR SSYK  
3 June 1957

*DETERMINED FOR APPROVAL*  
OCT 6711-104 COA 35Y.15  
3 JUNE 1957

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVAD.  
1110CC May 1957

ANNEX A (Task Organization) to Operation Order 1  
Map: NEVADA, 1:50,000, TIEPAH SPRINGS, CAME SPRINGS, SPECTOR  
RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.  
Time Zone: Pacific Daylight Time

#### HQ, EXERCISE DESERT ROCK VII

Deputy Exercise Director - - - - - Brig Gen W. A. Jense  
Executive Officer - - - - - Col C. H. Dunning  
Control Group Commander - - - - - Lt Col S. L. Garay  
US Army Garrison, CAMP DESERT ROCK (6019-03)

#### SUPPORT TROOPS

50th Chemical Platoon  
Co B, 84th Engr Bn (Reinf)  
Unit, 8th Field Hosp  
293d MP Co (-)  
526th Ord Co (HAM) (-1 plat)  
656th QM Petrol Supply Co (-)  
Det, 53d QM Subsistence Supply Co  
Det, 163d QM Laundry Co  
232d Signal Co  
Signal Supply Team (KA)  
Signal Maintenance Teams (GK and RD)  
Signal Pictorial Teams (AE, FC, FH, and FF)  
Signal Photo Dosimetry Team  
26th TC Bn  
    Hq & Hq Co  
    2d TC Truck Co (Pet)  
    38th TC Co (Hv)  
    351st TC Co (Med)  
TC Provisional Aircraft Maint Det

#### DESERT ROCK PROJECTS

Project 50.3, Evaluation Neutron Range Detonation and Cloud  
    Tracking System  
Project 50.7, Test of Ordnance Material  
Project 51.1, Radiological Safety Monitoring Training  
Project 53.3, ADC Air Crew Observers  
Project 53.4, Radiological Defense Training

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Brig Gen

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*GARAY*  
S-3

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3 JUN 57

PROJECT  
53-4

06 08 09

10 11 12

X

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957

Annex D (Opn Overley) to Opn N 1

Map: NEVADA, 1:50,000, TIFFIPAH SPRINGS, CANE SPRINGS,  
LAUREL LAKE and FRENCHMAN LAKE Sheets

JENSEN  
Brig Gen

Distribution: Special

OFFICIAL:

*John M. Garay*  
GARAY  
S-3

Block Top R.

Trail off Mercury Hwy marked by  
white top stakes

Trail

Mercury Highway

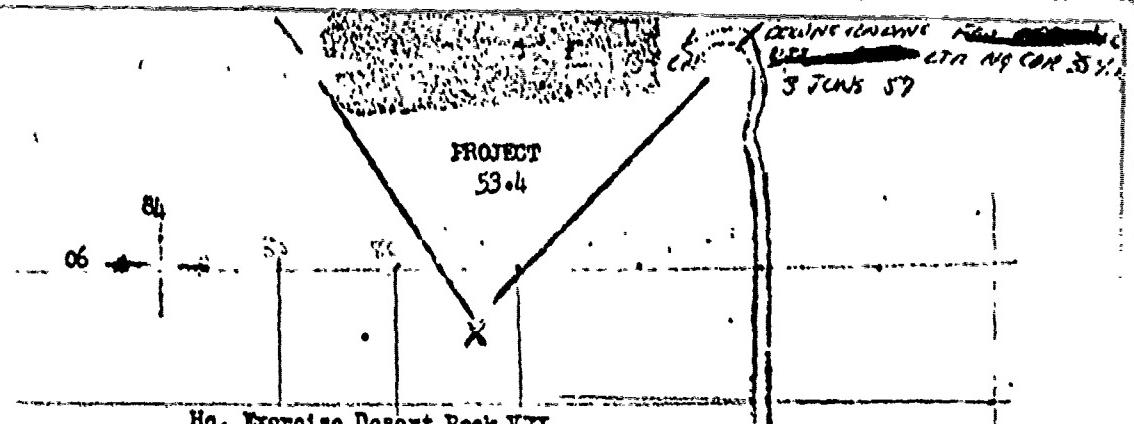
AEC Gate 1 mile S  
on Hwy

Dirt Road

Observer and  
Parking Area

Documented Rec'd  
AEC Com 35211  
3 JUN 57





Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957

Annex P (Opn Overlay) to Opn # 1

Map: NEVADA, 1:50,000, TIPPIPAH SPRINGS, CANE SPRINGS,  
BAPOOSE LAKE and FRENCHMAN LAKE Sheets.

JENSEN  
Brig Gen

Distributions: Special

OFFICIAL:

GARAY  
S-3

Black Top Rd.

15  
787.

Trail off Mercury Hwy marked by  
white top stakes

Trail

Mercury Highway →

AEC Gate 1 mile S  
on Hwy

Dirt Road

Observer and  
Parking Area

DOWN GRADe  
FORT  
CAMP HQ. C-810 35Y.11  
3 JUNE 57

*Annex C*  
Exercise Desert Rock VII  
3 June 57

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957.

Annex C (Rad-Safety Plan) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIAH SPRING and PAPOOSE LAKE Sheets

1. SITUATION.--See Opn O 1.

2. MISSION.--To prov'le radiological safety for operations conducted in the areas assigned and on the routes thereto to include organization, personnel, equipment, dormitory, field decontamination, and operating procedures and restrictions for all participants based on criteria established by the Department of Defense and the Test Director.

3. EXECUTION.

a. Survey of assigned pie-sector.

(1) 50th Cm'ty Lt (Svc) will provide four (4) motorized, radio-equipped RAD-SAFE monitor teams.

(2) After detonation of the atomic device, three (3) RAD-SAFE monitor teams will move forward to pie-sector area upon order of the Rad-Safety Officer. (For route, see Annex B, Operation Overlay.)

(3) Upon crossing the 5 mr/hr line, one (1) RAD-SAFE monitor team will stop, back-off to the 1 mr/hr line, and act as a road block to warn Camp Desert Rock participants that they are entering a contaminated area. This team will also be on stand-by status.

(4) Two (2) RAD-SAFE monitor teams will monitor the pie-sector boundary roads and erect signs to establish the 10 mr/hr and 100 mr/hr points. Teams will then withdraw behind the 1 mr/hr point and await arrival of the Project 53.4 monitors.

(5) RAD-SAFE teams will notify the Rad-Safety Officer of their survey date as it is determined.

(6) Project 53.4 monitor teams (Monitor Group A) will be released at the observation area by the Rad-Safety Officer after the Test Director has announced "one" hour (R-hour) and after the Rad-Safe monitors have completed their " : " survey. (Note: If no contamination is found in the assigned pie-sector, Monitor Group A will not be released until AEC requirements for use of the pie-sector for recovery are determined.)

(7) When released, Monitor Group A will be guided to the pie-sector by a Rad-Safe representative. (For route, see Annex B, Operation Overlay)

(8) Monitor Group A will conduct a survey of the pie-sector by directing teams toward ground zero along predetermined radial lines. (See Appendix 1.) Teams will establish predetermined dose-rates but not to exceed 5 r/hr, situation permitting. Survey readings will be reported to a control point established in vicinity of coordinates 875081. A Rad-Safe representative will be located at their control point to enforce established safety criteria and to provide technical assistance when required.

(9) In addition to the RAD-SAFE monitor team acting as road block, one (1) additional stand-by emergency RAD-SAFE monitor team will be located with the Rad-Safety Officer in vicinity of coordinates 895923.

(10) Monitor Group B will be released and guided forward to the pie-sector by a Rad-Safe representative when Monitor Group A completes their radiological survey. Both groups will utilize the same operating procedures.

*Annex C*  
Exercise Desert Rock VII  
3 June 57

*Dating 6/20/56*  
LIC 271 NO CDR 354.15  
3 JUNE 57

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957.

Annex C (Rad-Safety Plan) to Operation Order 1

Map: NEVADA, 1:50,000, TL'PIPAH SPRING and PAPOOSE LAKE Sheets

1. SITUATION.--See Ogn O 1.

2. MISSION.--To provide radiological safety for operations conducted in the areas assigned and on the routes thereto to include organization, personnel, equipment, dosimetry, field decontamination, and operating procedures and restrictions for all participants based on criteria established by the Department of Defense and the Test Director.

3. EXECUTION.

a. Survey of assigned pie-sector.

(1) 50th Cml Flt (Svc) will provide four (4) motorized, radio-equipped RAD-SAFE monitor teams.

(2) After detonation of the atomic device, three (3) RAD-SAFE monitor teams will move forward to pie-sector area upon order of the Rad-Safety Officer. (For route, see Annex B, Operation Overlay.)

(3) Upon crossing the 5 mr/hr line, one (1) RAD-SAFE monitor team will stop, back-off to the 1 mr/hr line, and act as a road block to warn Camp Desert Rock participants that they are entering a contaminated area. This team will also be on stand-by status.

(4) Two (2) RAD-SAFE monitor teams will monitor the pie-sector boundary roads and erect signs to establish the 10 mr/hr and 100 mr/hr points. Teams will then withdraw behind the 1 m/hr point and await arrival of the Project 53.4 monitors.

(5) RAD-SAFE teams will notify the Rad-Safety Officer of their survey date as it is determined.

(6) Project 53.4 monitor teams (Monitor Group A) will be released at the observation area by the Rad-Safety Officer after the Test Director has announced "Ready" hour (R-hour) and after the Rad-Safe monitors have completed their initial survey. (Note: If no contamination is found in the assigned pie-sector, the area will not be released until AEC requirements for use of the pie-sector for recovery operations are determined.)

(7) When released, Monitor Group A will be guided to the pie-sector by a Rad-Safe representative. (For route, see Annex B, Operation Overlay)

(8) Monitor Group A will conduct a survey of the pie-sector by directing teams toward ground zero along predetermined radial lines. (See Appendix 1.) Teams will establish predetermined dose-rates but not to exceed 5 r/hr, situation permitting. Survey readings will be reported to a control point established in vicinity of coordinates 875081. A Rad-Safe representative will be located at their control point to enforce established safety criteria and to provide technical assistance when required.

(9) In addition to the RAD-SAFE monitor team acting as road block, one (1) additional stand-by emergency RAD-SAFE monitor team will be located with the Rad-Safety Officer in vicinity of coordinates 895925.

(10) Monitor Group B will be released and guided forward to the pie-sector by a Rad-Safe representative when Monitor Group A completes their radiological survey. Both groups will utilize the same operating procedures.

*Downgrade*  
LIC 271 NO CDR 354.15  
3 JUNE 57

*Annex C. (Rad-Safety Plan) to Operation Master 1, Cont'd.*

*Approved by  
CMDR AT CDR 35YR 57  
3 JUNE 57*

- b. Dosimetry.—See Memo Nr 8, this headquarters.
- c. Field decontamination.—See Memo Nr 9, this headquarters.
- d. Coordinating instructions.
  - (1) All radiological survey data will be turned in to the Rad-Safe Officer in Bldg T-112, CAMP DESERT ROCK, upon completion of the test shot exercise.
  - (2) Safety reports no will be in Memo Nr 10, this headquarters will be compiled with all which will be submitted or attached to CAMP DESERT ROCK for participation in this test exercise.
  - (3) ... will be off fifteen (15) minutes before shot time and will remain out for five (5) minutes after the detonation.
  - (4) Recovery teams, other than those operating from CAMP DUSE are to be permitted free access throughout any part of the assigned pie.
  - (5) Rad-Safe personnel will be identified by a two-inch band of white Engineer tape mounted around their hair and caps.
  - (6) Protective field masks and respirators are required for monitor personnel only and will be donned if breathing becomes difficult due to excessive dust, or if dust in the eyes affects vision.
  - (7) Observers will close and cover their eyes with their hands and face away ( $180^{\circ}$ ) from the detonation point for five (5) seconds prior to the shot until detonation time plus five (5) seconds.

4. ADMINISTRATION AND LOGISTICS.

- a. RAD-SAFE monitor teams will consist of one driver and one monitor, both trained as radio operators.
- b. Monitor vehicles and equipment will be spotted in vicinity of coordinates 895925 on D-1 day.
- c. Pocket Chamber Detectors will be issued on the following basis:
  - (1) One (1) per VIP
  - (2) One (1) per monitor team.
- d. Radiac Survey Meters will be issued on the following basis:
  - (1) AN/PDR-16a. One (1) per RAD-SAFE monitor team.
  - (2) AN/PDR-11.
    - (a) One (1) per RAD-SAFE monitor team.
    - (b) Two (2) per Decontamination Station.
  - (3) AN/PDR-27A. Four (4) per Decontamination Station.
- e. Minimum equipment list for RAD-SAFE monitor teams is as follows:

| ITEM                 | QUANTITY |
|----------------------|----------|
| 1/4-ton Truck w/rail | 1        |
| AN/PDR-16            | 1        |

*Approved by  
CMDR AT CDR 35YR 57  
3 JUNE 57*

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~~3 JUNE 57~~

~~Annex C (Rad-Safety Plan) to Operation Major 1, Cont'd.~~

- b. Dosimetry.—See Memo Nr 8, this headquarters.
  - c. Field decontamination.—See Memo Nr 9, this headquarters.
  - d. Coordinating instructions.
    - (1) All radiological survey data will be turned in to the Rad-Safe Officer in Bldg T-112, CAMP DESERT ROCK, upon completion of the test shot exercise.
    - (2) Safety requirements published in Memo Nr 10, this headquarters, will be complied with by all personnel classified or attached to CAMP DESERT ROCK for participation in this test shot exercise.
    - (3) All personnel will be turned off fifteen (15) minutes before shot time and will remain out until five (5) minutes after the detonation.
    - (4) Recovery teams, other than those operating from CAMP DESERT, are to be permitted free access through any part of the assigned pie-plate.
    - (5) Rad-Safe personnel will be identified by a two-inch band of white Engineer tape mounted around their field caps.
    - (6) Protective field masks and dust respirators are required for monitor personnel only and will be donned if breathing becomes difficult due to excessive dust, or if dust in the eyes effects vision.
    - (7) Observers will close and cover their eyes with their hands and face away ( $180^{\circ}$ ) from the detonation point for five (5) seconds prior to the shot until detonation time plus five (5) seconds.
4. ADMINISTRATION AND LOGISTICS.
- a. RAD-SAFE monitor teams will consist of one driver and one monitor, both trained as radio operators.
  - b. Monitor vehicles and equipment will be spotted in vicinity of coordinates 895925 on D-1 day.
  - c. Pocket Chamber Dosimeters will be issued on the following basis:
    - (1) One (1) per VIP
    - (2) One (1) per monitor team.
  - d. Radio Survey Meters will be issued on the following basis:
    - (1) AN/PDR-13A. One (1) per RAD-SAFE monitor team.
    - (2) AN/PDR-11F.
      - (a) One (1) per RAD-SAFE monitor team.
      - (b) Two (2) per Decontamination Station.
    - (3) AN/PDR-27A. Four (4) per Decontamination Station.
  - e. Minimum equipment list for RAD-SAFE monitor teams is as follows:

| ITEM                  | QUANTITY |
|-----------------------|----------|
| 1/4-ton Truck w/radio | 1        |
| AN/PDR-18             | 1        |

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~~3 JUNE 57~~

Document No. CTA-108 COR 354.1  
3 June 57

Annex C (Rad-Safety Plan) to Operation Order 1, Cont'd)

| ITEM                                      | QUANTITY |
|---|----------|
| AN/PDR-T1B                                | 1        |
| Sledge or single-bit axe or Maul          | 1        |
| Grease pencil (dark color)                | 1        |
| Compass                                   | 1        |
| Flashlight                                | 1        |
| Contamination Marker, 10 mr/hr(on stake)  | 1        |
| Contamination Marker, 100 mr/hr(on stake) | 1        |
| Contamination Markers, Blank (on stakes)  | 5        |

f. Uniform as prescribed.

5. COMMAND AND SIGNAL.

a. Rad-Safety Officer will be located with Monitor Group A.

b. See Appendix 2 for radio call signs, frequencies, and RAD-SAFE Control Net.

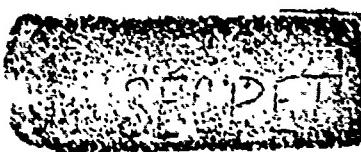
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Appendixes: 1-Radiological Recon  
2-Rad-Safe Control Net

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*Document*  
~~CTA-NP COE 354.10~~  
3 June 57

Annex C (Rad-Safety Plan) to Operation Order 1, Cont'd)

| ITEM                                       | QUANTITY |
|--|----------|
| AN/PDR-T1B                                 | 1        |
| Sledge or single-bit axe or Maul           | 1        |
| Grease pencil (dark color)                 | 1        |
| Compass                                    | 1        |
| Flashlight                                 | 1        |
| Contamination Marker, 10 mr/hr (on stake)  | 1        |
| Contamination Marker, 100 mr/hr (on stake) | 1        |
| Contamination Markers, Blank (on stakes)   | 5        |

f. Uniform as prescribed.

5. COMMAND AND SIGNAL.

- a. Rad-Safety Officer will be located with Monitor Group A.
- b. See Appendix 2 for radio call signs, frequencies, and RAD-SAFE Control Net.

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Appendixes: 1-Radiological Recon  
2-Rad-Safe Control Net

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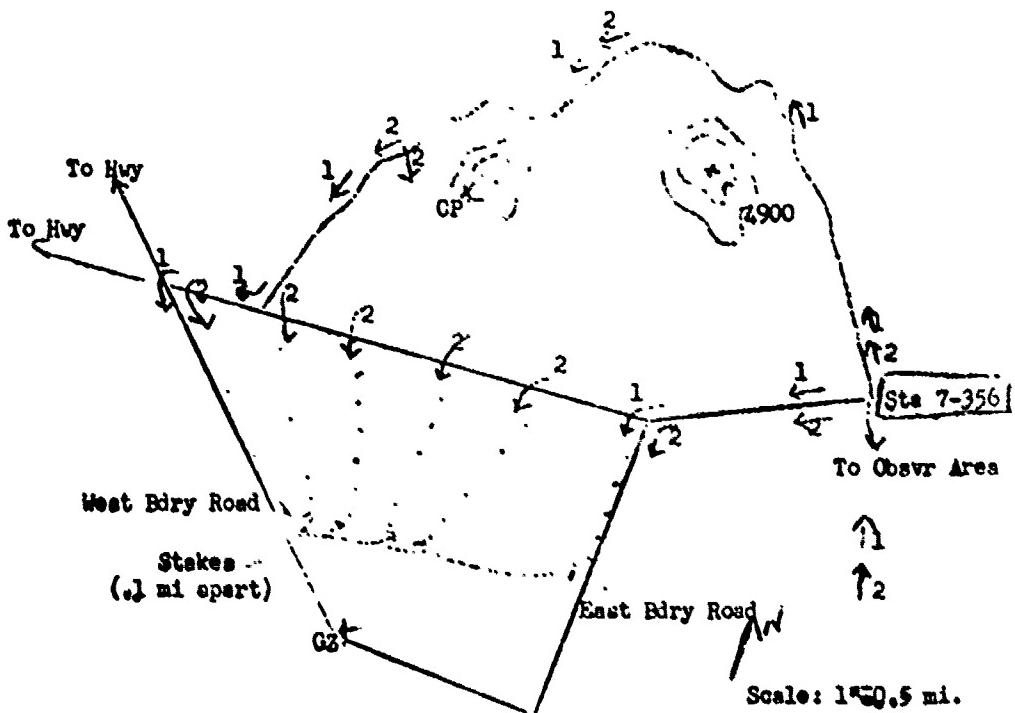
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~~CTA-NP COE 354.10~~  
3 June 57

PACIFICATON  
CTR 14 CDR 357.15  
3 June 57

ng, Exercise Desert Rock VII  
CAMP DESERT ROCK (872531), NEVADA  
111000 May 1957

Appendix B (Radiological Recon) to Annex C (Rad-Safety Plan) to Opn O 1

Map: NEVADA, 1:50,000, TIPPIAH SPRING and LAUREL LAKE Sheets.



Situation permitting:

1. Control Point is CP in vicinity of (875081).
2. Route of RAD-SAFE Monitor Teams is shown by 1 →
3. Route of Project 53.4 Monitor Teams is shown by 2 →

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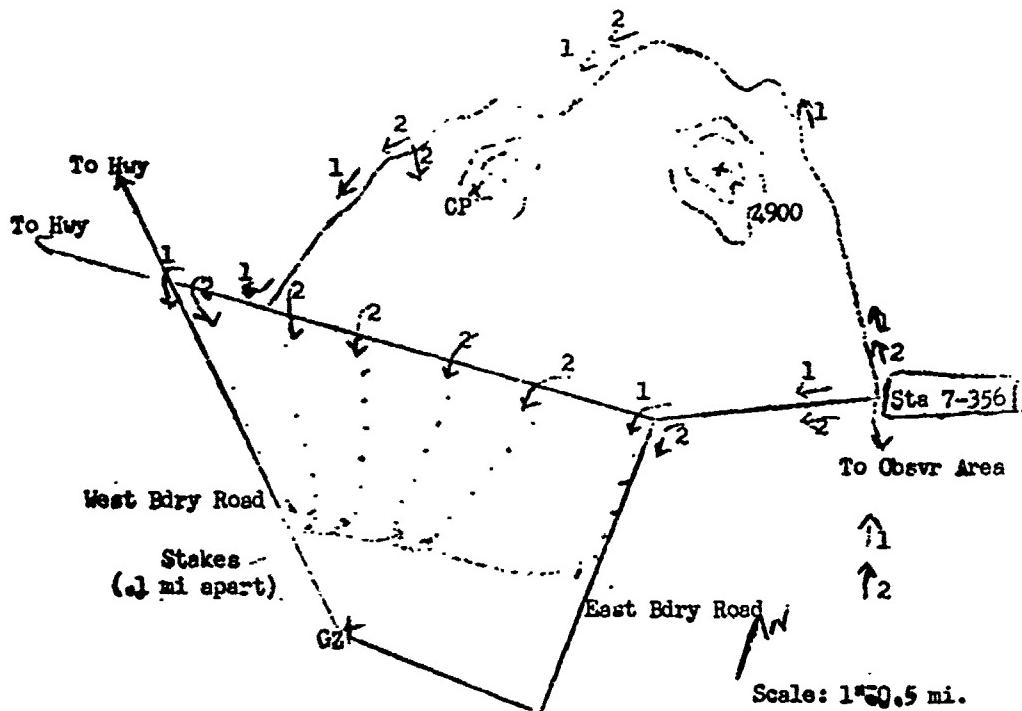
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sq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957

Appendix 2 (Radiological Beacon) to Annex C (Rad-Safety Plan) to Opn O 2

Map: NEVADA, 1:50,000, TIPPIAH SPRING and PAPoose LAKE Sheets.



Situation permitting:

1. Control Point is CP in vicinity of (875081).
2. Route of RAD-SAFE Monitor Teams is shown by 1 →
3. Route of Project 53.4 Monitor Teams is shown by 2 →

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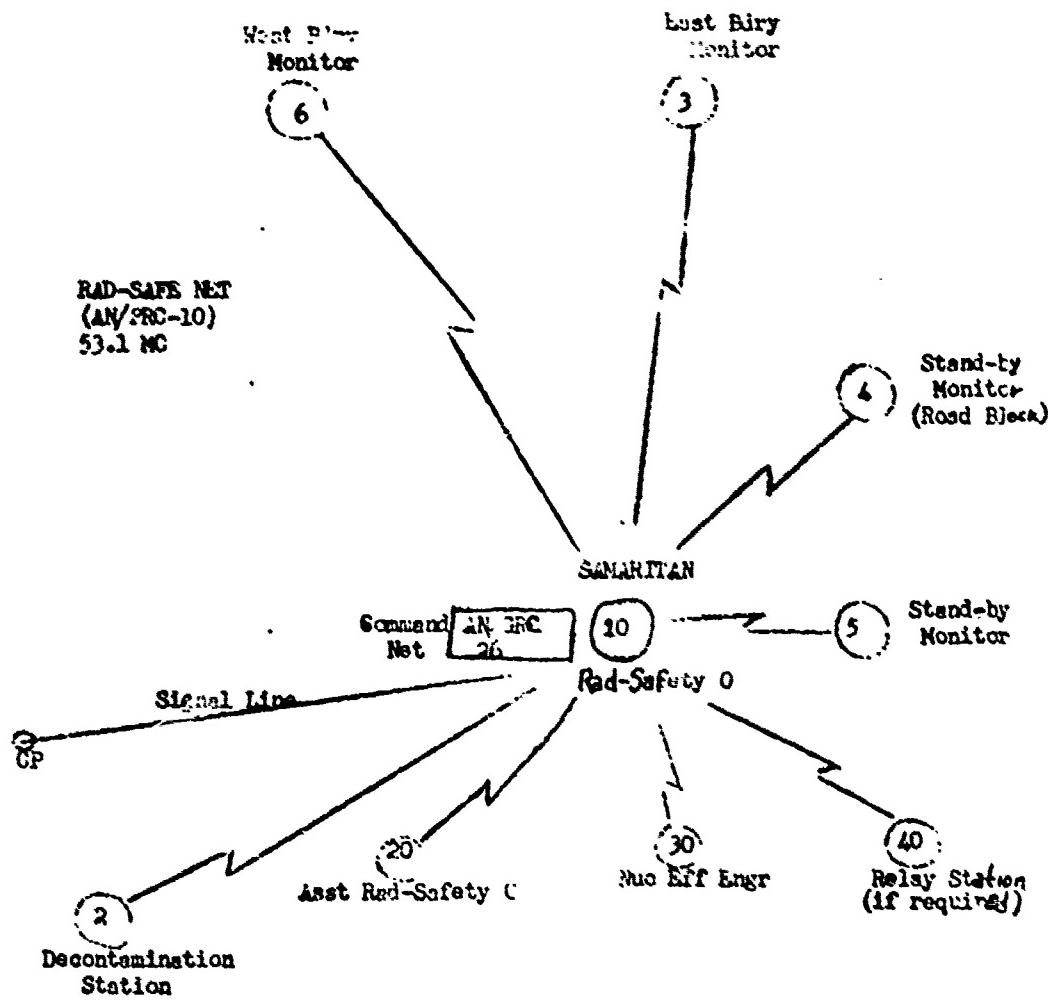
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~~DECONTAMINATE~~ CTF HQ COR 38Y.11  
U 3 JUNE 57

Ex. Exercise Desert Rock VII  
C4-2 DESERT ROCK (872536), NEVADA  
11000 May 1957

Appendix 2 (Rad-Safe Control Net) to Annex C (Rad-Safety Plan) to Opn C

Map: NEVADA, 1:50,000, TIPPINER Series, close LAKE Sheets.



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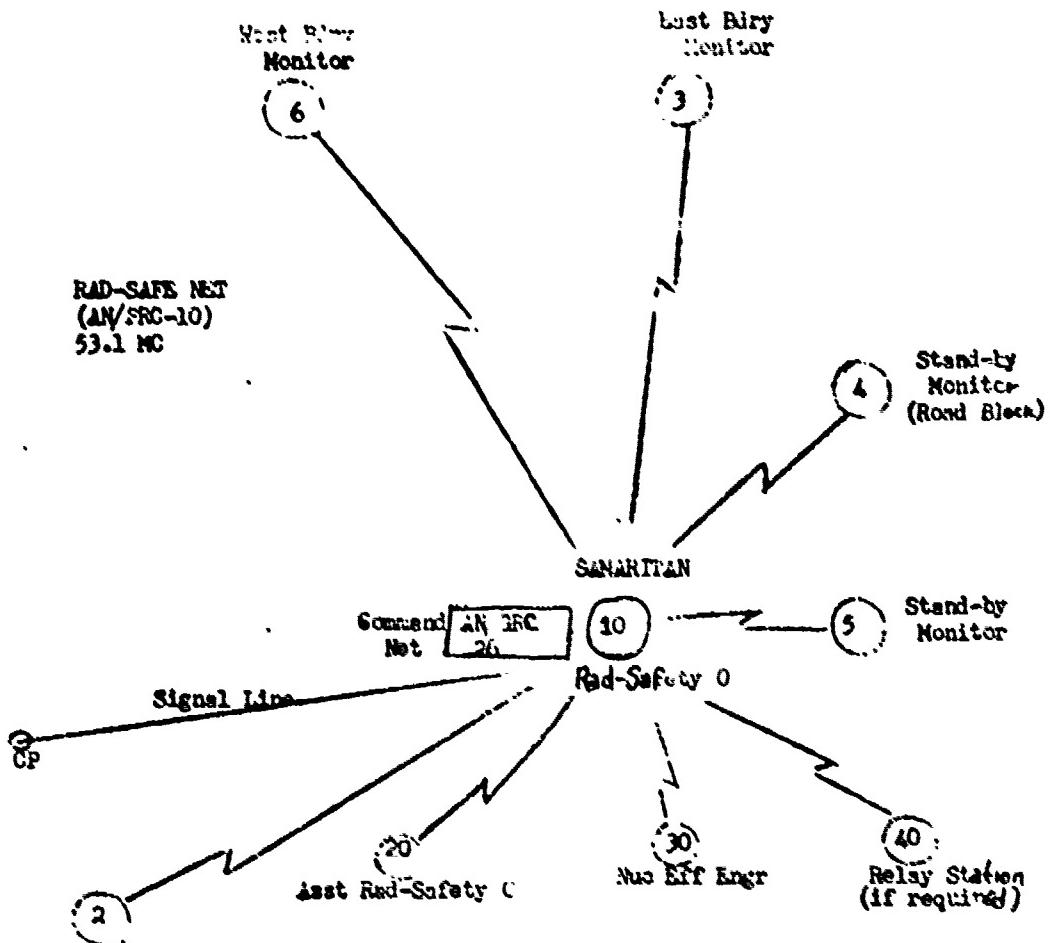
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U 3 JUNE 57

~~Dangerous~~ ~~Exercise Desert Rock VII~~  
3 JUNE 57

Ex. Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
11000 May 1957

Appendix 2 (Rad-Safe Control Net) to Annex C (Rad-Safety Plan) to Opn C

Map: NEVADA, 1:50,000, TIPPINAK Sheet, 11.2000000000000001, RAD-SAFE LAKE Sheets.



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~~Dangerous~~ ~~Exercise Desert Rock VII~~  
3 JUNE 57

*Annex D*  
LIC CPT HQ COM 35Y.11  
3 JUNE 1957  
HQ, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEV.  
111000 May 1957

Annex D (Medical) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIN SPRINGS, CANE SPRINGS, SPECTOR RANGE,  
PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. Aid Station will be established in the YUCCA LAKE observer area (coordinates 895925).
2. Two ambulances, equipped with radios tied in with Camp Desert Rock MP network, will ... (in back of Annex G, Transportation). Upon arrival at the observer area, ambulances will take up position adjacent to Aid Station.
3. Evacuation of casualties will be by most direct and accessible route to dispensary at Camp Desert Rock.
4. Reserve medical team, with four ambulances, will be on call in Camp Desert Rock area.
5. Air evacuation, from Camp Desert Rock Air Strip to Nellis Air Force Base Hospital, will be on call.
6. Upon completion of shot, one ambulance will rejoin convoy for movement back to CAMP DESERT ROCK. One ambulance, with necessary medical personnel, will remain at the Desert Rock Decontamination Station (coordinates 846888) until all Camp Desert Rock personnel have cleared the forward area.

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*Annex D*  
LIC CPT HQ COM 35Y.11  
3 JUNE 1957

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LTC HQ CO 2 35Y.15  
3 JUNE 1957

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVA.  
121000 May 1957

Annex D (Medical) to Operation Order 1

Map: NEVADA, 1:50.000, TIPPIAH SPRINGS, CANE SPRINGS, SPECTOR RANGE,  
PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. Aid Station will be established in the YUCCA LAKE observer area (coordinates 895925).
2. Two ambulances, equipped with radios tied in with Camp Desert Rock MP network, will ... with t... in b... (Annex G, Transportation). Upon arrival at the observer area, ambulances will take up position adjacent to Aid Station.
3. Evacuation of casualties will be by most direct and accessible route to dispensary at Camp Desert Rock.
4. Reserve medical team, with four ambulances, will be on call in Camp Desert Rock area.
5. Air evacuation, from Camp Desert Rock air Strip to Nellis Air Force Base Hospital, will be on call.
6. Upon completion of shot, one ambulance will rejoin convoy for movement back to CAMP DESERT ROCK. One ambulance, with necessary medical personnel, will remain at the Desert Rock Decontamination Station (coordinate: 848888) until all Camp Desert Rock personnel have cleared the forward area

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3 JUNE 57

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957

Annex E (Provost Marshal) to Opn O 1

Maps: NEVADA, 1:50,000, TIPPLAH SPRINGS, CAME SPRINGS, SPECTOR RANGE, PAPOLIS LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.—Omitted.
2. MISSION.—Provost Marshal supports movement of staff and observer group to observer area and return.
3. EXECUTION.
  - a. 293d MP Company provides four TCPs and one parking area detail. Appendix 1, Traffic Control Plan.
  - b. TCP No 1 will direct vehicles straight ahead on MERCURY ROAD. Positioned 1 mile south of observer turn-off road.
  - c. TCP No 2 will direct vehicles right on unnamed road to observer area.
  - d. TCP No 3 will allow vehicles for hazardous dip.
  - e. TCP No 4 will direct vehicles right to parking area.
  - f. Parking area detail will assist TC officer (Capt Beckus) in parking vehicles and providing security.
  - g. TCPs will be established appx  $\frac{1}{2}$  hour prior to scheduled arrival of convoy. Annex G, Transportation.
4. ADMINISTRATION AND LOGISTICS.
  - a. Uniform.—Steel helmet, long underwear, fatigues, and field jacket.
  - b. Equipment.—Reflectrized sleeves, batons, markers, flares, pistol belts, canteens, first-aid packets, etc.
5. COMMAND AND SIGNAL.
  - a. Guard net AMG 700 will control movement to observer area and return.
  - b. Radio-equipped  $\frac{1}{2}$ -ton trucks will be stationed at each TCP and remain in communications until ordered to leave net.
  - c. All radios will be turned off as all engines stopped fifteen (15) minutes before shot time and will remain out of service until five (5) minutes after shot.
  - d. All participating military policemen will synchronize watches prior to movement to site.
  - e. TCPs will remain on post until final vehicle has passed point on movement to observer area.

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Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957

Annex E (Provost Marshal) to Opn O 1

Maps: NEVADA, 1:50,000, TIPPIAH SPRINGS, CANE SPRINGS, SPECTOR RANGE, PAPOO-LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.--Omitted.
2. MISSION.--Provost Marshal supports movement of staff and observer group to observer area and return.
3. EXECUTION.
  - a. 293d MP Company provides four TCPs and one parking area detail. Appendix 1, Traffic Control Plan.
  - b. TCP No 1 will direct vehicles straight ahead on MERCURY ROAD. Positioned 1 mile south of observer turn-off road.
  - c. TCP No 2 will direct vehicles right on unnammed road to observer area.
  - d. TCP No 3 will slow vehicles for hazardous dip.
  - e. TCP No 4 will direct vehicles right to parking area.
  - f. Parking area detail will assist TC officer (Capt Backus) in parking vehicles and providing security.
  - g. TCPs will be established appx  $\frac{1}{2}$  hour prior to scheduled arrival of convoy. Annex G, Transportation.
4. ADMINISTRATION AND LOGISTICS.
  - e. Uniform.--Steel helmet, long underwear, fatigues, and field jacket.
  - b. Equipment.--Reflectorized sleeves, batons, markers, flares, pistol belts, canteens, first-aid packets, etc.
5. COMMAND AND SIGNAL.
  - a. Guard not AAG 700 will control movement to observer area and return.
  - b. Radio-equipped  $\frac{1}{2}$ -ton trucks will be stationed at each TCP and remain in communications until ordered to leave net.
  - c. All radios will be turned off and all engines stopped fifteen (15) minutes before shot time and will remain out of service until five (5) minutes after shot.
  - d. All participating military policemen will synchronize watches prior to movement to site.
  - e. TCPs will remain on post until final vehicle has passed point on movement to observer area.

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3 JUNE 1957

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Annox E (Provost Marshal) to Opn O 1 (Cent'd)

- f. TCPs will be relieved upon completion of movement and will close w.  
observer group for shot.

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Appendixes: 1--Traffic Control Plan

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Annex E (Provost Marshal) to Opm 01 (Cont'd)

- f. TCPs will be relieved upon completion of movement and will close w  
observer group for shot.

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Brig Con

Appendixes: 1--Traffic Control Plan

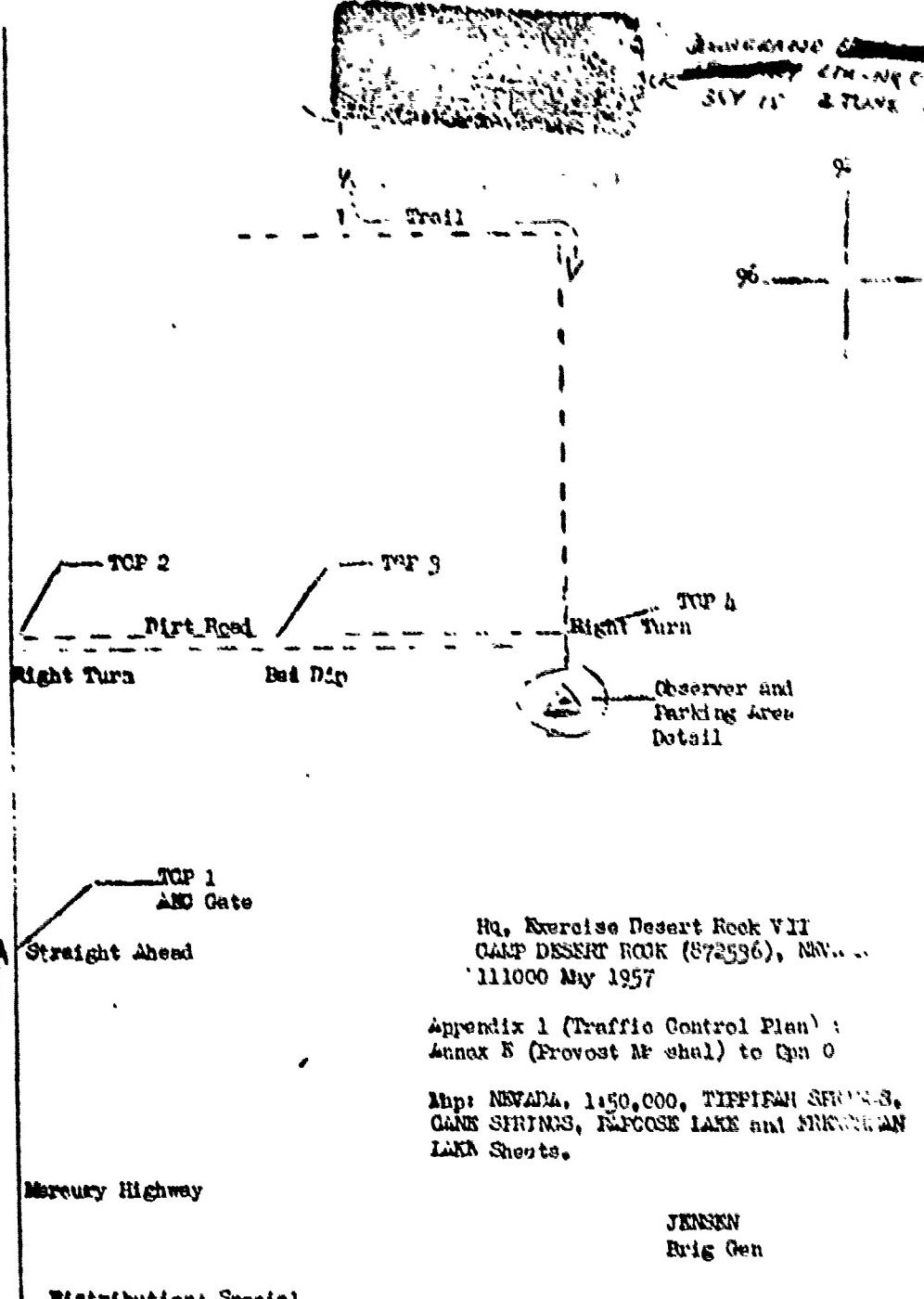
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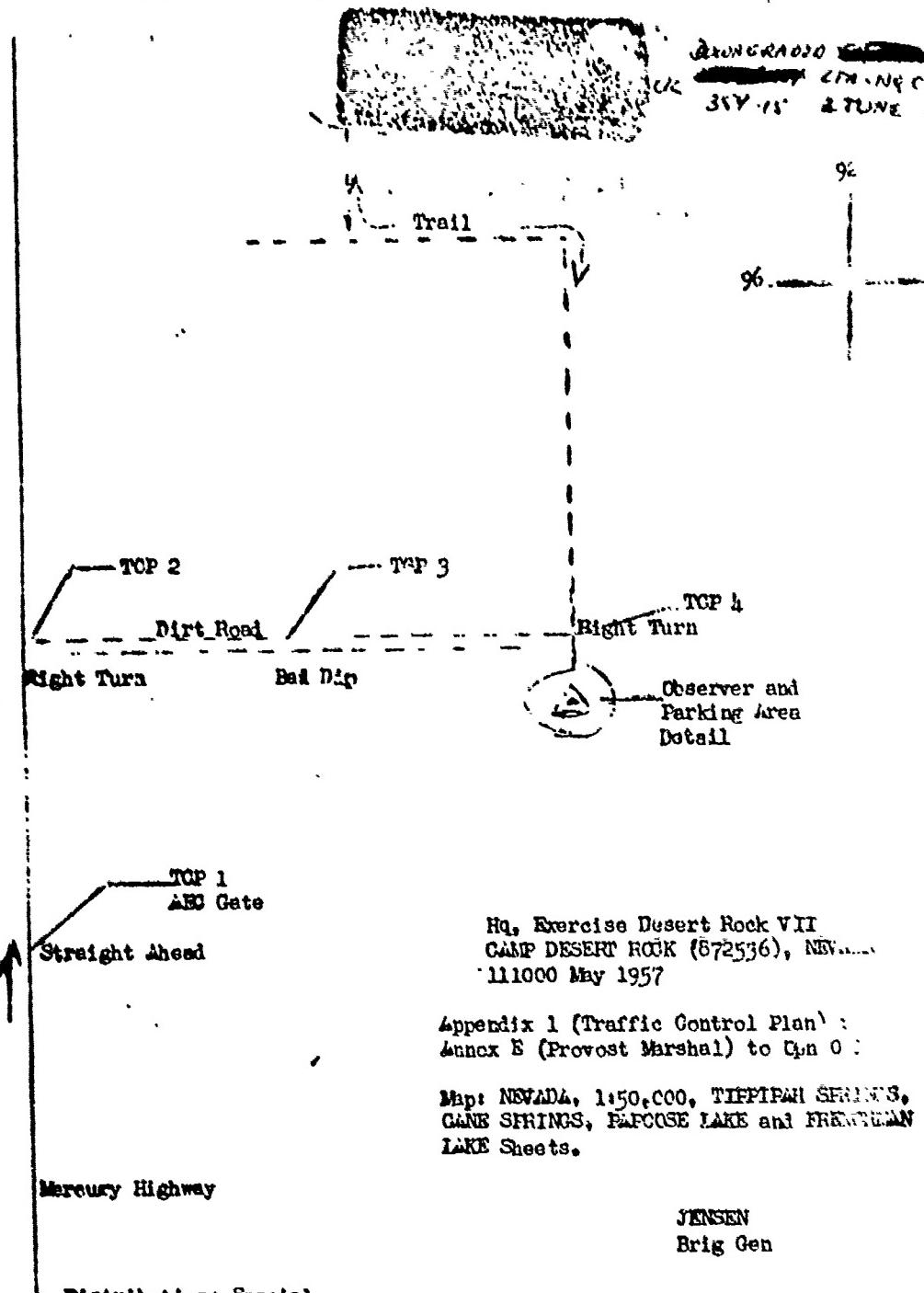
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~~Exercise Desert Rock VII~~  
CAMP DESERT ROCK  
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35Y-15 2 TUNE 57



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AMERICAN  
CAMP DESERT ROCK CON  
354.15 3 JUNE 57

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NE...  
111000 May 1957

Annex F (Signal) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPLAH SPRINGS, CINE SPRINGS, S. SECTOR RANGE,  
PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. PURPOSE.--To provide continuous communications for observer and Radiological monitoring before, during, and after the proposed detonation of shot BOLTZMAN on or about 16 May 1957.

2. MISSION.--The 232d Signal Company and attached signal teams will prevail Desert Rock communication services in coordination with DOD personnel and equipment, CAMP MERCURY, NEVADA. Photo dosimetry services will be provided by the Photo Dosimetry Team from Lexington Signal Depot, LEXINGTON, KENTUCKY, supported by personnel from the 232d Signal Company.

3. EXECUTION.

a. Radio communications.

(1) Radio silence from H-15 minutes to H+5 minutes.

(2) Radio call signs and frequencies:

a. Camp Desert Rock, Control Point 2, and Observer Location Net--AN/GRC-26. Call sign: Avalanche, Avalanche Alfa, and Avalanche Br. Frequency: 2312 KC AM. Alfa station located on Observer Location hill will be the net control station. Appendix 1, AN/GRC-26 Net.

b. DOD Net One. Motorola-type handy talkies to be furnished by DOD will provide communications between CP 2, observer location, and Project 50.3 location. Call sign: Hilltop, Hilltop Nr \_\_\_, and Hilltop Nr \_\_\_. Numbers and frequency will be announced and designated by DOD. Purpose of this net is to monitor announcements. Net control station: Hilltop. Appendix 2, Motorola-Type Net.

c. Back-up net. AN/GRC-9 if required.

b. Wire communications.

(1) Public address system will be set up at observer location (coordinates 895925).

(2) Wire circuit from CP 2 to observer location will be tie public address system for the purpose of monitoring count-down and R-announcement. It will be backed up by the AN/GRC-26 net. Appendix 3, Circuit.

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Appendices: 1--AN/GRC-26 Net  
2--Motorola-Type Net  
3--Wire Circuit

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CAMP DESERT ROCK CON 31 P. 15  
3 JUNE 57

~~DRONE ROAD~~  
~~35V.15 3 JUNE 57~~

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEV.  
111000 May 1957

Annex F (Signal) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIAH SPRINGS, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheds.

1. PURPOSE.--To provide continuous communications for observer and Radiological monitoring before, during, and after the proposed detonation of shot BOLTZMAN on or about 16 May 1957.
2. MISSION.--The 232d Signal Company and attached signal teams w/ prev. all Desert Rock communication services in coordination with DCO personnel and equipment, CAMP MERCURY, NEVADA. Photo dosimetry services will be provided by the Photo Dosimetry Team from Lexington Signal Depot, LEXINGTON, KENTUCKY, supported by personnel from the 232d Signal Company.

3. EXECUTION.

a. Radio communications.

- (1) Radio silence from H-15 minutes to H+5 minutes.
- (2) Radio call signs and frequencies:

a. Camp Desert Rock, Control Point 2, and Observer Location Net--AN/GRC-26. Call sign: Avalanche, Avalanche Alfa, and Avalanche Br. Frequency: 2312 KC AM. Alfa station located on Observer Location hill will be the net control station. Appendix 1, AN/GRC-26 Net.

b. DCO Net One. Motorola-type handy talkies to be furnished by DCO will provide communications between CP 2, observer location, and Project 60.3 location. Call sign: Hilltop, Hilltop Nr \_\_\_, and Hilltop Nr \_\_\_. Numbers and frequency will be announced and designated by DCO. Purpose of this net is to monitor announcements. Net control stations: Hilltop. Appendix 2, Motorola-Type Net.

c. Back-up net. AN/GRC-9 if required.

b. Wire communications.

- (1) Public address system will be set up at observer location (coordinates 895925).
- (2) Wire circuit from CP 2 to observer location will tie public address system for the purpose of monitoring count-down and R. announcement. It will be backed up by the AN/GRC-26 net. Appendix 3, Circuit.

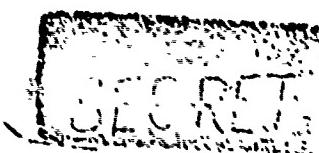
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Appendices: 1--AN/GRC-26 Net  
2--Motorola-Type Net  
3--Wire Circuit

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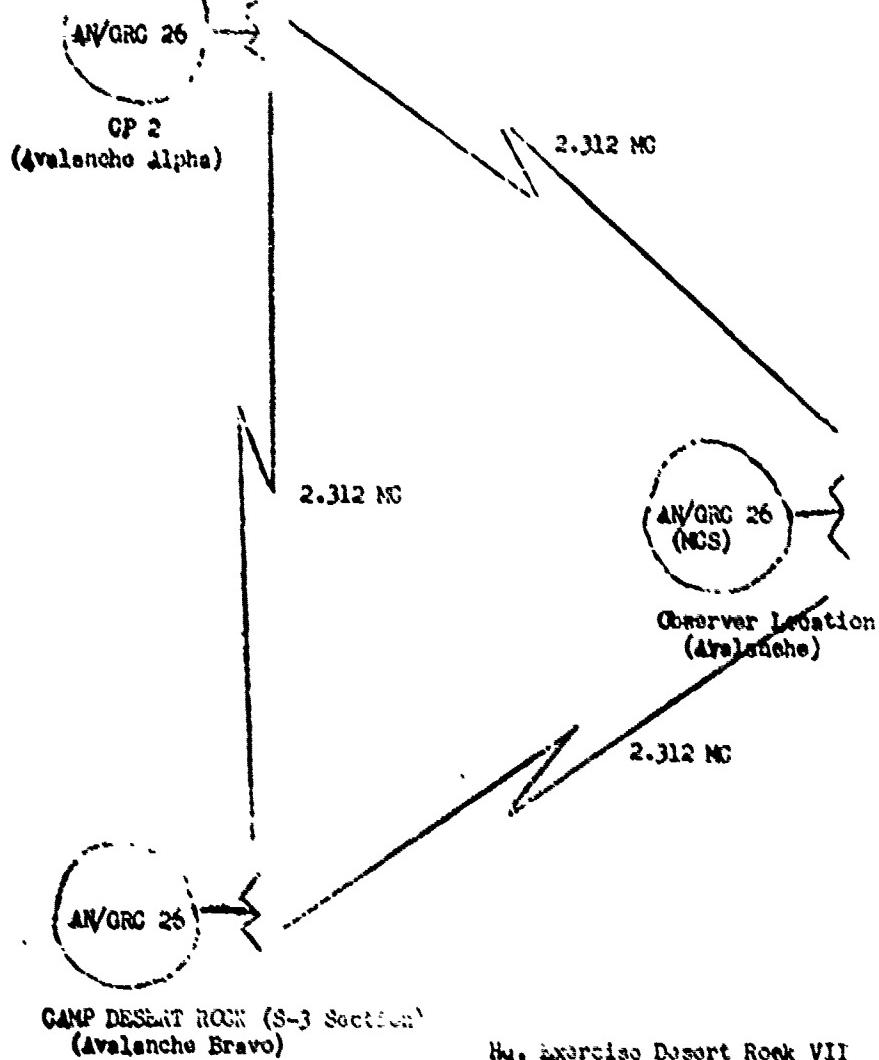
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~~DRONE ROAD~~  
~~35V.15 3 JUNE 57~~

~~Desert Rock~~  
Exercise Desert Rock  
Site 3 June 1957



Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536),  
111000 May 1957

Appendix 1 (AN/GRC 26 Net) to Annex F  
(Signal) to Qn 01

Map: NEVADA, 1:50,000, TIPPIKAH SPRINGS,  
CANES SPRINGS, SPeCTION RANGL, P.POSS  
LAKE, FRENCHMAN LAKE and MERCURY Sheets.

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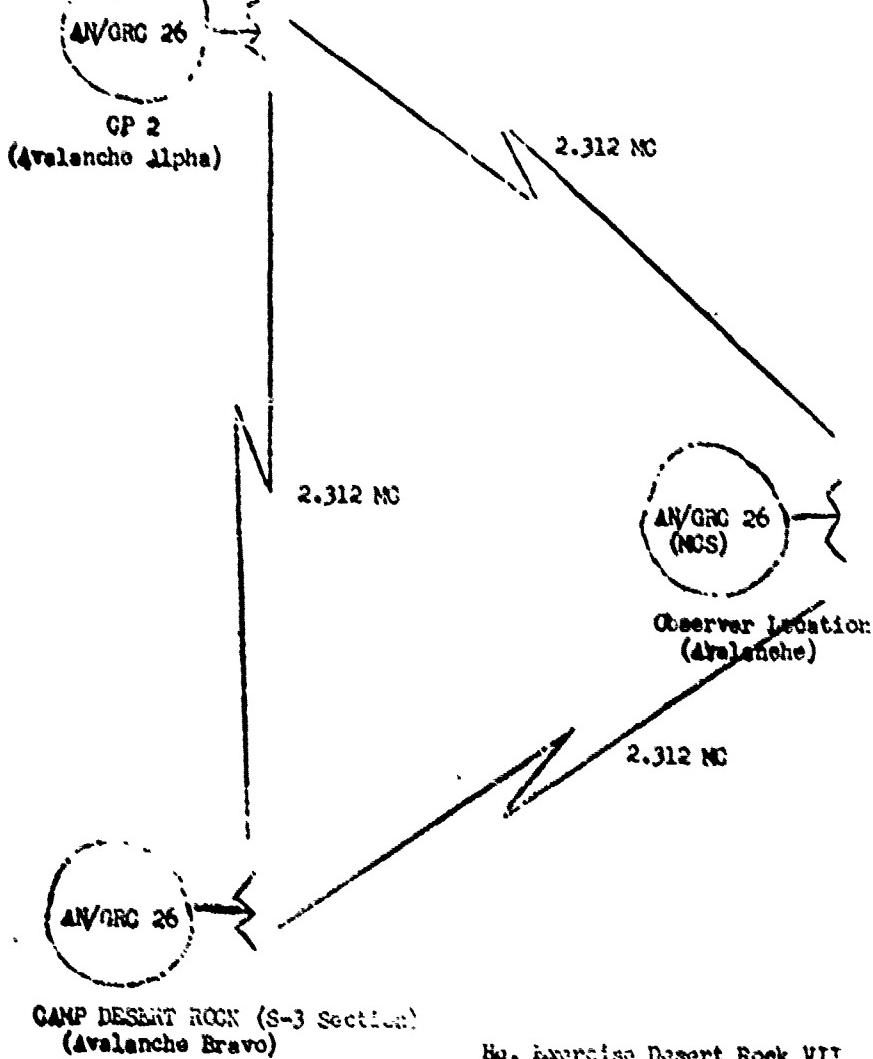
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~~Desert Rock~~  
Exercise Desert Rock  
Site 3 June 1957

*Dangerous*  
~~Exercise~~ DESERT ROCK  
3 JUNE 1957



Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536),  
111000 May 1957

Appendix 1 (AN/GRC 26 Net) to Annex F  
(Signals) to Opn O 1

Maps: NEVADA, 1:50,000, TIPPETT SPRINGS,  
CANES SPRINGS, SPACIOR RINGL, PAPOUSE  
LAKE, FRENCHMAN LAKE and MERCURY Sheets.

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~~Exercise~~ DESERT ROCK  
3 JUNE 1957

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Motorola  
Type  
Handy-Talkie

Observer Location  
(Hill Top)

Motorola  
Type  
Handy-Talkie  
(NCS)  
OP 2  
(Hill Top)

Hq. Exercise Desert Rock III  
CAMP DESERT ROCK (872556) N.D.  
111000 May 1957

Appendix 2 (Motorola-Type Net)  
to Annex F (Signal) to Opn O :

Map. NEVADA, 1:50,000, TIPPINS,  
SPRINGS, CAME SPRINGS, SE  
RANGE, PAPoose LAKE, MREN  
LAKE and MERCURY Sheets.

Motorola  
Type  
Handy-Talkie

Project 500  
(Hill Top)

Note: Frequencies to be announced by DOD

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Motorola  
Type  
Handy-Talkie

Observer Location  
(Hill Top)

Motorola  
Type  
Handy-Talkie  
(NCS)  
OP 2  
(Hill Top)

Hq. Exercise Desert R. III  
CAMP DESERT ROCK (872536) N.DA  
111000 May 1957

Appendix 2 (Motorola-Type Net)  
to Annex F (Signal) to Opn 01

Map NEVADA, 1:50,000, TIPPED  
SPRINGS, CINE SPRINGS, SP.  
RANGE, FAIRFARE LAKE, FREN-  
LAKE and MERCURY Sheets.

Motorola  
Type  
Handy-Talkie  
Project 01-5  
(Hill Top)

Note: Frequencies to be announced by DOD

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CTA NY - COC  
354.15 3 JUNE 1957

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CPX

(1-ND-1)

WTB-2

Observer  
Location HR, Exercise Desert Rock VII  
CAMP DESERT ROCK (6735)  
NEVADA  
111000 May 1957

Appendix 3 (Wire Circuit) to Annex 3  
(Signal) to Opn O 1

Map: NEVADA, 1:50,000, TIFFIN S. G.  
GUNN SPRINGS, SPECTOR RANGE,  
FALCON LAKE, FRENCHMAN LAKE  
MERCURY Sheets.

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~~AMERICAN AIRLINES~~  
~~357. 11~~ 3 JUNE 57

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LTM HQ COR  
354.15 3 JUNE 57

CP2

(1-ED-1)

~~NY TD-2~~

Observer  
Location

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (8725.7)  
NEVADA  
111000 May 1957

Appendix 3 (Wire Circuit) to Annex F  
(Signal) to Opn O 1

Map: NEV.DA, 1:50,000, TIPPIAH SPRINGS,  
CANE SPRINGS, SPECTOR RANGE,  
EXPOSEE LAKE, FRENCHMAN LAKE ...  
MERCURY Sheets.

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Dry June 57  
Hq. Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957

Annex G (Transportation) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOO LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

VEHICLE ROSTER (POLIZIAN)

|     |                          |      |                           |
|-----|--------------------------|------|---------------------------|
| A-1 | - 1/4-Ton (Serial Condr) | A-5  | - 37-Pass Bus             |
| A-2 | - 37-Pass Bus            | A-9  | - 37-Pass Bus (Empty)     |
| A-3 | - 37-Pass Bus            | A-10 | - Ambulance, Metro        |
| A-4 | - 37-Pass Bus            | A-11 | - Ambulance, 3/4-ton      |
| A-5 | - 37-Pass Bus            | A-12 | - Wrecker, M-62           |
| A-6 | - 37-Pass Bus            | A-13 | - 1/4-ton (Trail Officer) |
| A-7 | - 37-Pass Bus            |      |                           |

MARCH TABLE

| Serial<br>Condr | Rate of<br>March | Type of<br>Column | Time<br>Length | Critical<br>Points | ETA  | Latest<br>Clearance |
|-----------------|------------------|-------------------|----------------|--------------------|------|---------------------|
| Capt Sackett    | 25Mph            | Closed            | 5              | (IP)MP Gate        | 0050 | 0055                |
|                 | 25Mph            | Closed            | 5              | Mer Crk Pt Nr 1    | 0057 | 0102                |
|                 | 25Mph            | Closed            | 5              | Mer Crk Pt Nr 2    | 0102 | 0107                |
|                 | 35Mph            | Open              | 5              | GP Yucca Pass      | 0142 | 0147                |
|                 | 35Mph            | Open              | 5              | AEC Gate           | 0145 | 0150                |
|                 | 15Mph            | Closed            | 5              | TCP Nr 2           | 0148 | 0153                |
|                 | 15Mph            | Closed            | 5              | Parking Area       | 0203 | 0208                |

Convoy Condr: Capt Backus

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ARMED FORCES  
C-TP AF-CR 35Y.15  
3 JUNE 57

140 CDR 354-5  
57  
Hq Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
111000 May 1957

Annex G (Transportation) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPINAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOO LAKE, FRENCHMAN LAKE, and MERCURY Shores.

VEHICLE ROSTER (SOLIZMAN)

|     |                          |      |                           |
|-----|--------------------------|------|---------------------------|
| A-1 | - 1/4-Ton (Serial Comdr) | A-8  | - 37-Pass Bus             |
| A-2 | - 37-Pass Bus            | A-9  | - 37-Pass Bus (Empty)     |
| A-3 | - 37-Pass Bus            | A-10 | - Ambulance, Metro        |
| A-4 | - 37-Pass Bus            | A-11 | - Ambulance, 3/4-ton      |
| A-5 | - 37-Pass Bus            | A-12 | - Wrecker, M-62           |
| A-6 | - 37-Pass Bus            | A-13 | - 1/4-ton (Trail Officer) |
| A-7 | - 37-Pass Bus            |      |                           |

MARCH TABLE

| Serial<br>Comdr | Rate of<br>March | Type of<br>Column | Time<br>Length | Critical<br>Points | ETA  | Latest<br>Clearance |
|-----------------|------------------|-------------------|----------------|--------------------|------|---------------------|
| Capt Sackott    | 25Mph            | Closed            | 5              | (IP)MP Gate        | 0050 | 0055                |
|                 | 25Mph            | Closed            | 5              | Mor Crk Pt Nr 1    | 0057 | 0102                |
|                 | 25Mph            | Closed            | 5              | Mor Crk Pt Nr 2    | 0102 | 0107                |
|                 | 35Mph            | Open              | 5              | CP Yucca Pass      | 0142 | 0147                |
|                 | 35Mph            | Open              | 5              | AEC Gate           | 0145 | 0150                |
|                 | 15Mph            | Closed            | 5              | TCP Nr 2           | 0148 | 0153                |
|                 | 15Mph            | Closed            | 5              | Parking Area       | 0203 | 0208                |

Convoy Comdr: Capt Backus

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ARMED GUARD  
FOR NF-COR 354-15  
3 JUNE 17

*CON OF CDR*  
2015 3 JUNE 57

Ex. Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA.  
111000 May 1957

Annex H (Emergency Evacuation Plan) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIH SPRINGS, C.M. SPRINGS, SPECTOR RANGE,  
PAPERS LANE, FRIENDSHIP LANE, and MERCURY Sheets.

1. PURPOSE.--To outline the procedure to be followed to accomplish the total evacuation of the Nevada Test Site in case of emergency.

2. EXECUTION.--Personnel will be prepared to execute a total evacuation of the forward area at any time on D-day.

a. Evacuation will be to the south in the following order:

- (1) Decontamination Station (coordinates 848888).
- (2) Check Gate Nr 2, Camp Mercury (coordinates 914605).
- (3) Camp Desert Rock motor pool (coordinates 872537).

b. Serial commander will be responsible for the movement of his vehicles during the evacuation and for maintaining the proper march discipline. Order to entruck and move out will be given by the Control Group Commander.

c. Vehicle commanders will be responsible for the orderly loading and movement of their groups on order of the serial commander.

d. Following procedure will be observed in the observer areas:

(1) Provost Marshal will report for orders to the Control Group Commander.

(2) Observer personnel will assemble on order and entruck in vehicles under the supervision of the vehicle commander.

(3) Control Group will assemble directly behind the control area and entruck on order of the Control Group Commander.

(4) Vehicles will be entrucked from the parking area by the TG representative in march unit areas. Entrucking area on order of the Control Group Commander.

(5) Control Group will evacuate the test area on order of the Deputy Exercise Director when it is assured that all other Desert Rock have been evacuated.

e. Following procedure will be observed in the PIO segment area (where teams will be monitoring):

(1) Project officers (53.1 and 53.4) will be responsible for loading and moving their personnel as rapidly as possible to the south as per paragraph 2a above. Desert Rock rad-safety representative(s) in the area will be notified when area is ready to be evacuated.

(2) Desert Rock rad-safety representative(s) will assist project officers in every way possible, report evacuation to Control Group Commander when completed, and then move to place of safety to the south.

f. Coordinating instructions.

(1) Maximum vehicle speed will be 35 MPH.

(2) March units will remain intact during all movements.

*Approved*  
C.R. INT CO. 31 Y. 1  
3 JUNE 1957

200 NO CDR  
287-15 3 JUNE 57  
HQ, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA.  
111000 May 1957

Annex H (Emergency Evacuation Plan) to Operation Order 1

Map: NEVADA, 1:50,000, TIPPIH SPRINGS, C. NL SPRINGS, SPECTOR RANGE,  
PAPOOSE LAKE, MENCHMAN LAKE, and MERCURY Sheds.

1. PURPOSE.--To outline the procedure to be followed to accomplish the total evacuation of the NEVADA TEST SITE in case of emergency.

2. EXECUTION.--Personnel will be prepared to execute a total evacuation of the forward area at any time on D-day.

a. Evacuation will be to the south in the following order:

- (1) Decontamination Station (coordinator 848888).
- (2) Check Gate Nr 2, Camp Mercury (coordinates 914605).
- (3) Camp Desert Rock motor pool (coordinates 872537).

b. Serial commander will be responsible for the movement of his vehicles during the evacuation and for maintaining the proper march discipline. Order to entruck and move out will be given by the Control Group Commander.

c. Vehicle commanders will be responsible for the orderly loading and movement of their groups on order of the serial commander.

d. Following procedure will be observed in the observer area:

(1) Provost Marshal will report for orders to the Control Group Commander.

(2) Observer personnel will assemble on order and entruck in vehicles under the supervision of the vehicle commander.

(3) Control Group will assemble directly behind the control area and entruck on order of the Control Group Commander.

(4) Vehicles will be entrucked from the parking area by the TC representative in march unit order to the entrucking area on order of the Control Group Commander.

(5) Control Group will evacuate the test area on order of Deputy Exercise Director when it is assured that all other Desert Rock have been evacuated.

e. Following procedure will be observed in the pie segment area (where teams will be monitoring):

(1) Project officers (51.1 and 53.4) will be responsible for loading and moving their personnel as rapidly as possible to the south as per paragraph 2a above. Desert Rock rad-safety representative(s) in the area will be notified when area is ready to be evacuated.

(2) Desert Rock rad-safety representative(s) will assist project officers in every way possible, report evacuation to Control Group Commander when completed, and then move to place of safety to the south.

f. Coordinating instructions.

(1) Maximum vehicle speed will be 35 MPH.

(2) March units will entruck during all movements.

3 JUNE 1957

JUN 1957  
Annex H (Emergency Evacuation Plan) to Operation Order 1, Cont'd)

- (3) MP vehicles and ambulances will have road priority during evacuation.
- (4) Necessary decontamination will be effected as soon as possible upon reaching the designated place of safety.
- (5) Code designation to implement this plan is CONDITION THUNDER.
- (6) CONDITION THUNDER will be transmitted by the most readily available means and will be authenticated by the Post Rad-Safe Officer.
- (7) CONDITION THUNDER will be announced in the observer area by seven short siren blasts with 10-second intervals between groups. All means of communications will be used to reach all Desert Rock personnel.
- (8) Windows in vehicles will be closed when practical.
- (9) Individuals will refrain from eating or smoking during the evacuation.

### 3. MEDICAL EVACUATION.

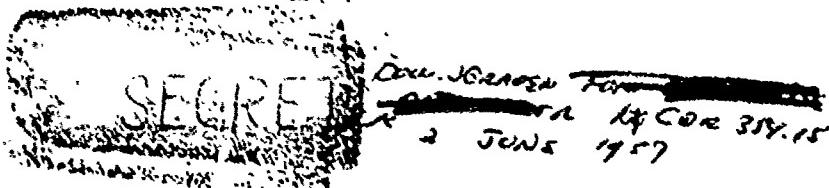
- a. Aid station will treat casualties, if any to the limit of its capability. When observer area is evacuated, aid station will move with the Control Group.
- b. Ambulances will evacuate casualties to the Hospital Unit at CAMP DESERT ROCK. Ambulances will have road priority.
- c. Route of evacuation for casualties will be the most direct route available.
- d. COMMAND, Forward CP, Exercise Desert Rock VII, will control the evacuation from such location as affords the best control, but will not evacuate the forward area until all Desert Rock groups are accounted for. New location will be announced prior to movement in each case.

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~~SECRET~~ Annex H (Emergency Evacuation Plan) to Operation Order 1, Cont'd)

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3 JUNE 57

(3) MP vehicles and ambulances will have road priority during evacuation.

(4) Necessary decontamination will be effected as soon as possible upon reaching the designated place of safety.

(5) Code designation to implement this plan is CONDITION THUNDER.

(6) CONDITION THUNDER will be transmitted by the most readily available means and will be authenticated by the Post Rad-Safe Officer.

(7) CONDITION THUNDER will be announced in the observer area by seven short siren blasts with 30-second intervals between groups. All means of communications will be used to reach all Desert Rock personnel.

(8) Windows in vehicles will be closed when practical.

(9) Individuals will refrain from eating or smoking during the evacuation.

3. MEDICAL EVACUATION.

a. Aid station will treat casualties, if any to the limit of its capability. When observer area is evacuated, aid station will move with the Control Group.

b. Ambulances will evacuate casualties to the Hospital Unit at CAMP DESERT ROCK. Ambulances will have road priority.

c. Route of evacuation for casualties will be the most direct route available.

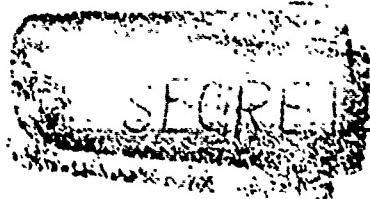
d. COMMAND.—Forward CP, Exercise Desert Rock VII, will control the evacuation from such location as affords the best control, but will not evacuate the forward area until all Desert Rock groups are accounted for. New location will be announced prior to movement in each case.

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Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEV  
111000 May 1957

Annex I (Distribution List) to Operation Order 1

| UNITS   | Copy Nr |
|---|---------|
| CG, US CONARC, Attn: G3                           | /1-4/   |
| CG, Sixth US Army, Attn: G3                       | /5-6/   |
| CG, Sixth US Army, Attn: PIB                      | /6/     |
| Cmdr, Fld Cmd, AFSWP, Mercury                     | /7/     |
| CG, Camp Irwin, Attn: G3                          | /8-13/  |
| Executive Officer, Camp Desert Rock               | /14-16/ |
| S-1, Camp Desert Rock                             | /17/    |
| S-2, Camp Desert Rock                             | /18/    |
| S-3, Camp Desert Rock                             | /19/    |
| S-4, Camp Desert Rock                             | /20-24/ |
| Hq Comdt, Camp Desert Rock                        | /25/    |
| Sig Off, Camp Desert Rock                         | /26/    |
| PM, Camp Desert Rock                              | /27/    |
| Chemical Off, Camp Desert Rock                    | /28/    |
| Engr, Camp Desert Rock                            | /29/    |
| PIO, Camp Desert Rock                             | /30/    |
| Chief, Instructor Group Section, Camp Desert Rock | /31/    |
| CO, 26th TC Bn                                    | /32/    |
| CO, Hosp Unit, 8th Field Hosp                     | /33/    |
| CO, 232d Sig Co                                   | /34/    |
| CO, 50th Chemical Plat                            | /35/    |
| Post Aviation Off                                 | /36/    |
| Project Off, Project 50.3                         | /37/    |
| Project Off, Project 50.7                         | /38/    |
| Project Off, Project 51.1                         | /39/    |
| Project Off, Project 53.4                         | /40/    |
| AG, File Copy                                     | /41/    |
|   | /42/    |

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3 JUNE 57

Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEV  
111000 May 1957

Annex I (Distribution List) to Operation Order 1

| <u>UNITS</u>                                | <u>Copy Nr</u> |
|---|----------------|
| CC, US CONARC, Attn: G3                     | ✓1-4           |
| CG, Sixth US Army, Attn: G3                 | ✓5-6           |
| CG, Sixth US Army, Attn: PL9                | ✓7             |
| Cmdr, Fld Comd, AFSWP, Mercury              | ✓8-13          |
| CG, Camp Irwin, Attn: G3                    | ✓14-16         |
| Executive Officer, Camp Desert Rock         | ✓17            |
| S-1, Camp Desert Rock                       | ✓18            |
| S-2, Camp Desert Rock                       | ✓19            |
| S-3, Camp Desert Rock                       | ✓20-24         |
| S-4, Camp Desert Rock                       | ✓25            |
| Hq Comdt, Camp Desert Rock                  | ✓26            |
| Sig Off, Camp Desert Rock                   | ✓27            |
| PM, Camp Desert Rock                        | ✓28            |
| Chemical Off, Camp Desert Rock              | ✓29            |
| Engr, Camp Desert Rock                      | ✓30            |
| PIO, Camp Desert Rock                       | ✓31            |
| Chief, Instructor Group Section, Cm... Rock | ✓32            |
| CO, 26th TC Bn                              | ✓33            |
| CO, Hosp Unit, 8th Field Hosp               | ✓34            |
| CO, 232d Sig Co                             | ✓35            |
| CO, 50th Chemical Plt                       | ✓36            |
| Post Aviation Off                           | ✓37            |
| Project Off, Project 50.3                   | ✓38            |
| Project Off, Project 50.7                   | ✓39            |
| Project Off, Project 51.1                   | ✓40            |
| Project Off, Project 53.4                   | ✓41            |
| AG, File Copy                               | ✓42            |

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